

PREPIT SIGNAL DETECTOR AND DETECTING METHOD

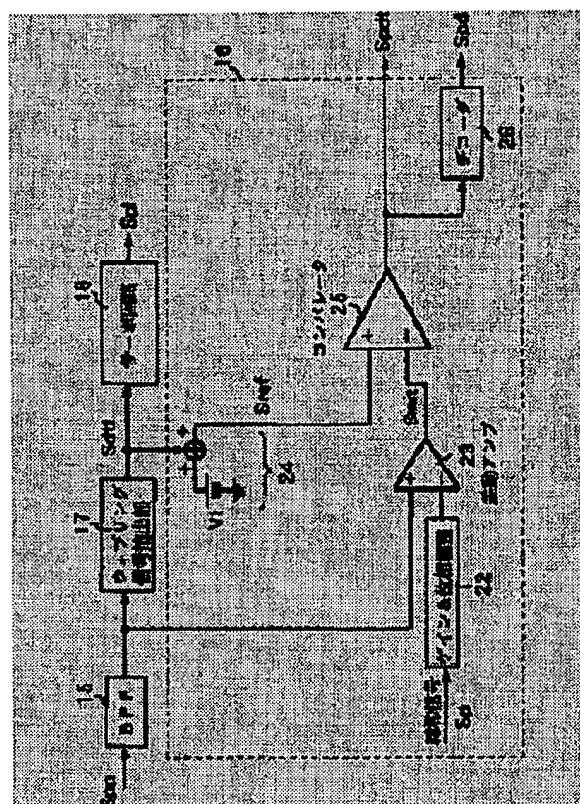
Patent number: JP2002074675
 Publication date: 2002-03-15
 Inventor: EGUCHI HIDEJI
 Applicant: VICTOR COMPANY OF JAPAN
 Classification:
 - international: G11B7/005; G11B7/09; G11B20/10
 - european:
 Application number: JP20000263402 20000831
 Priority number(s): JP20000263402 20000831

Report a data error here

Abstract of JP2002074675

PROBLEM TO BE SOLVED: To prevent the generation of such a case that the noise component is erroneously detected as a prepit detecting signal in the conventional practice when the data in the process of recording or the already recorded data are reproduced, since the recorded data signal component is contained in a wobbling signal as noise.

SOLUTION: By a gain and phase adjusting circuit 22, the gain is adjusted so as to become the level same as that of the recording data component mixing into the wobbling signal with respect to a summing signal S_p and the delay time is adjusted so that the phases are also coincident. A push-pull signal S_{pp} , the high frequency component which is removed by a BPF 15, and the output summing signal S_p of the gain and phase adjusting circuit 22 are subtracted by a differential amplifier 23 to output a signal S_{mit} from which the recorded data of the push-pull signal S_{pp} is removed. The level of output signal S_{mit} of the differential amplifier 23 is compared with the levels of the reference signal S_{ref} by a comparator 25, then the prepit detecting signal S_{pdt} is outputted.



Data supplied from the esp@cenet database - Worldwide

BEST AVAILABLE COPY